

Patent Application No. 09/728,095

IN THE CLAIMS:

Please claims 1-17 are pending in the application as follows (no claim amendments are made herein):

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5 Claim 1 (previously presented) A system adapted to cooperate with a data engine which is responsive to a query, comprising at least one conditional attribute and at least one display attribute, to produce an associated report comprising at least one object, said at least one object comprising said at least one displayed attribute, said system comprising:

10 first means for rendering said at least one object from a report; said first means, responsive to user interaction with said rendered report, for selecting one of said at least one displayed attribute and causing said one of said at least one displayed attribute to change to

15 respective said at least one conditional attribute; second means for rendering said at least one conditional attribute for a query; said second means, responsive to user interaction with said at least one rendered conditional attribute, for selecting one of said at least one conditional attribute and causing said one of said at least one

20 conditional attribute to change to respective said at least one displayed attribute; and means, responsive to said at least one conditional and displayed attributes, for generating a subsequent query.

Claim 2 (original) A system as claimed in claim 1 wherein said data engine is a database and said query is an SQL query.

Claim 3 (original) A system as claimed in claim 1 wherein said data engine is a simulation tool.

Claim 4 (previously presented) A system as claimed in claim 1 wherein said first and second selecting means comprise respective means for navigating through said at least one attribute to select a single conditional or displayed attribute to be changed.

Claim 5 (original) A system as claimed in claim 4 comprising: means, responsive to user interaction with a selected conditional

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attribute, for determining a value of said selected conditional attribute to be used as a condition in said subsequent query.

Claim 6 (original) A system as claimed in claim 5 wherein said value comprises a complex expression.

Claim 7 (original) A system as claimed in claim 5 wherein said determining means is responsive to user interaction to determine an adjusted value of said selected attribute's value as said condition.

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Claim 8 (original) A system as claimed in claim 4 wherein said first navigation means is responsive to user interaction to cause said selected displayed attribute to change to a conditional attribute and said second navigation means is responsive to user interaction to cause said
5 selected conditional attribute to change to a displayed attribute.

Claim 9 (previously presented) A system as claimed in claim 1 wherein said first and second selecting means are responsive to user interaction to cause all conditional attributes to change to displayed attributes and to cause all displayed attributes to change to conditional
5 attributes.

Claim 10 (original) A system as claimed in claim 1 wherein said first rendering means is adapted to initially display all objects from a report associated with a query.

Claim 11 (original) A system as claimed in claim 1 wherein said first rendering means is adapted to display said objects in a table.

Claim 12 (original) A system as claimed in claim 1 wherein said first rendering means is adapted to display said objects isometrically.

Claim 13 (original) A system as claimed in claim 1 wherein said second rendering means is adapted to display said attributes isometrically.

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Claim 14 (original) A system as claimed in claim 1 comprising means for receiving user input corresponding to at least a portion of a first query.

Claim 15 (original) A system as claimed in claim 14 wherein said receiving means comprises one of a natural language interface, a text entry field or a query-by-example analyzer.

Claim 16 (previously presented) A method adapted to be operable with a data engine which is responsive to a query, comprising at least one conditional attribute and at least one display attribute, to produce an associated report comprising one or more objects, said at least one object comprising said at least one displayed attribute, said method comprising the steps of:

rendering at least one object from a report;

responsive to user interaction with said rendered report, selecting one of said at least one displayed attribute and causing said one of said at least one displayed attribute to change to respective said at least one conditional attribute;

rendering said at least one conditional attribute for a query;

responsive to user interaction with said at least one rendered conditional attribute, selecting one of said at least one conditional attribute and causing said one of said at least one conditional attribute to change to respective said at least one displayed attribute; and

responsive to said conditional and displayed attributes, generating a subsequent query.

Claim 17 (original) A computer program product comprising computer program code stored on a computer readable storage medium for, when executed on a computing device, allowing a user to refine a query, the program code comprising the system of claim 1.